

Content of 2008 Scripting Games Advanced VBScript Event 3.vbs (Site 1)

' This is my Solution for the Scripting Games 2008
' For more Information look at
' <http://www.microsoft.com/technet/scriptcenter/funzone/games/games08.msp>

Option Explicit

```
Dim ofso : Set ofso = Createobject("Scripting.FileSystemObject")
Const ForReading = 1
Const ForWriting = 2
Const ForAppending = 8
```

```
Dim Candidates()
Dim CandidatesValues()
ReDim Candidates(3)
ReDim CandidatesValues(3)
Candidates(0) = "Syed Abbas"
Candidates(1) = "Ken Myer"
Candidates(2) = "Jonathan Haas"
Candidates(3) = "Pilar Ackerman"
```

```
Dim CountVotes, iVotesPercent
Dim arrVotesCalc()
```

```
Dim Candidate_Array()
```

```
Call Main()
```

```
' -----
Sub Main()
```

```
Dim arrVotes, iCount, iCount2, iChecks
Dim arrTmpVotes, Remove_Candidate
```

```
arrVotes = ReadFileToArray("C:\Scripts\votes.txt")
```

```
If IsArray(arrVotes) then
```

```
CountVotes = UBound(arrVotes) + 1
iVotesPercent = CountVotes / 100
```

```
ReDim arrVotesCalc(UBound(arrVotes), 3)
```

```
For iCount = 0 to UBound(arrVotes)
```

```
If IsArray(arrTmpVotes) then Erase arrTmpVotes
arrTmpVotes = Split(arrVotes(iCount), ",", -1, 1)
```

```
For iCount2 = 0 to UBound(arrTmpVotes)
```

```
arrVotesCalc(iCount,iCount2) = arrTmpVotes(iCount2)
```

```
Next
```

```
Next
```

```
For iChecks = 1 to 3
```

```
Call GetVotes()
```

```
If CheckWinner(CandidatesValues) = True then
msgbox "The winner is " & Candidates(0) & " with " & _
CandidatesValues(0) & "% of the vote."
Exit For
Exit Sub
```

```
Else
Remove_Candidate = Candidates(UBound(Candidates))
```

```
ReDim Preserve Candidates(UBound(Candidates) - 1)
ReDim Preserve CandidatesValues(UBound(CandidatesValues) - 1)
```

```
For iCount = 0 to Ubound(CandidatesValues)
CandidatesValues(iCount) = 0
Next
```

```
Call RemoveCandidateFromArray(arrVotesCalc, Remove_Candidate)
```

```
End if
```

```
Next
```

```
End if
```

```
End Sub
```

```
' -----
Private Function ReadFileToArray(strFile)
```

```
Dim strNextLine, arrstrList
Dim arrLines()
Dim iCount : iCount = 0
```

```
If ofso.FileExists(strFile) then
```

```
Dim oFile : Set oFile = ofso.OpenTextFile(strFile, ForReading)
```

```
Do Until oFile.AtEndOfStream
```

```
Redim Preserve arrLines(iCount)
arrLines(iCount) = oFile.ReadLine
iCount = iCount + 1
```

```
Loop
```

```
oFile.Close
```

```
End if
```

```
Set oFile = nothing
```

```
If IsArray(arrLines) then ReadFileToArray = arrLines
```

```
End Function
```

```
' -----
Public Function GetVotes()
```

Content of 2008 Scripting Games Advanced VBScript Event 3.vbs (Site 2)

```
Dim iCount, iCount2
For iCount = 0 to UBound(arrVotesCalc)
For iCount2 = 0 to Ubound(Candidates)
    Select Case arrVotesCalc(iCount,0)
        Case Candidates(iCount2)
            CandidatesValues(iCount2) = CandidatesValues(iCount2) +1
    End Select
next
Next

For iCount = 0 to Ubound(CandidatesValues)
CandidatesValues(iCount) = CandidatesValues(iCount) / iVotesPercent
Next

Call SortArrayDim2(CandidatesValues, "DESC")
End Function

' .....
Private Function SortArrayDim2(SourceArray, strSortTyp)
Dim Sorted, iCount, Temp, Temp2

Sorted = False
Do While Not Sorted
Sorted = True

For iCount = 0 To UBound(SourceArray) - 1
Select Case UCase(strSortTyp)
Case "DESC"
If UCase(SourceArray(iCount)) < UCase(SourceArray(iCount + 1)) Then
    Temp = SourceArray(iCount + 1)
    Temp2 = Candidates(iCount + 1)
    SourceArray(iCount + 1) = SourceArray(iCount)
    Candidates(iCount + 1) = Candidates(iCount)
    SourceArray(iCount) = Temp
    Candidates(iCount) = Temp2
    Sorted = False
End If
End Select
Next
Loop
End Function

' .....
Private Function CheckWinner(SourceArray)
If SourceArray(0) > 50 then
CheckWinner = True
Else
CheckWinner = False
End if
End Function

' .....
Private Function RemoveCandidateFromArray(SourceArray, strCandidate)
Dim iCount

For iCount = 0 to UBound(SourceArray)
If SourceArray(iCount,0) = strCandidate then
SourceArray(iCount,0) = SourceArray(iCount,1)
SourceArray(iCount,1) = SourceArray(iCount,2)
SourceArray(iCount,2) = SourceArray(iCount,3)
SourceArray(iCount,3) = ""
End if
If SourceArray(iCount,1) = strCandidate then SourceArray(iCount,1) = ""
If SourceArray(iCount,2) = strCandidate then SourceArray(iCount,2) = ""
If SourceArray(iCount,3) = strCandidate then SourceArray(iCount,3) = ""
Next
End Function
```